SUBJECT INDEX

A

Achievement, effectiveness of computer-managed instruction versus traditional classroom lecture on achievement outcomes and, 159
Ark International, Inc., 29
Artificial intelligence
  knowledge acquisition and knowledge representation and, in rule-based expert system, 174
  knowledge acquisition for expert system development and, LERS LB 2.5 in, 227
  nurse expert systems using automated rule induction and, 52
Attitudes, toward computers, identifying and relating, 190
Audiovisual production, quality videotapes using computers and, 113
Automation
  automated rule induction and, nursing expert systems using, 52
  care planning system and
    for health care institution, 61
    in nursing curriculum, 134
Auto-PREP, 134

B

Bereavement Issues, 126
Bereavement Support Strategies, 126

C

Chartsmart, 126
Clinical education, computerized patient care documentation and, 22
Clinical Nursing Concepts: Computer Simulations Version 2.0
  Part III Inflammation and Wound Healing, 32
  Part II Perioperative Care, 32
  Part I Pharmacodynamics and the Administration of Medications, 32
  Part IV Fluid and Electrolyte Balance, 32
  Part V Acid-Base Balance, 32
Clinical Problems in Obstetrics: Hypertension and Preeclampsia, 80
Clinipac, 126
Computer assisted instruction
  patient education in ambulatory care setting and, 168
  for patients on continuous ambulatory peritoneal dialysis, 15
  teaching statistics and, 108
Computer-based instruction, computer conferencing and, instruction of high school students and, 215
Computer-based testing, handicapped/disabled examinees and, 145
Computer conferencing, computer-based instruction of high school students and, 215
Computer graphics, for slide presentations, 224
Computer literacy, 100
  computerized learning style inventory and, 121
  computerized patient care documentation and, 22
Computer-managed instruction, traditional classroom lecture versus, achievement outcomes and, 159
Computer(s)
  application of zero-one methodology to assignment of nurses to clinical rotation schedule and, 219
  attitudes toward, identifying and relating, 190
  computerized learning style inventory and, 121
  knowledge acquisition and knowledge representation and, in rule-based expert system, 174
  knowledge acquisition for expert system development and, LERS LB 2.5 in, 227
  nursing informatics program and, 184
  nursing service-education model for introducing baccalaureate nursing students to concepts of, 152
  preparing nurses to use in management, 179
  quality videotapes using, 113
  Researcher's Workbench and, 116
  student nurse experience and preferences for learning and, 75
Curriculum
  interactive videodiscs in, 210
  nursing informatics program and, 184

D

Database, for nursing service administration, 69
Data security, functionality and, quality assurance system and, 27
Datathon, Inc., 29
Diagnosis, knowledge acquisition and knowledge representation and, in rule-based expert system, 174
Disabled examinees, computer based testing of, 145
Documentation, computerized patient care documentation and, 22
DynaPulse 200M-A, 207

E

Education
  computer-based instruction of high school students and, computer conferencing and, 215
  patient education and, in ambulatory care setting, computer assisted instruction in, 168
Ethical Dilemmas and Legal Issues in Care of the Elderly, 126

Evaluation, of computer assisted instruction for patients on continuous ambulatory peritoneal dialysis, 15
Expert systems
knowledge acquisition and knowledge representation and, in rule-based expert system, 174
knowledge acquisition for, LERS LB 2.5 in, 227
using automatic rule induction, 52

H

Handicapped examinees, computer based testing of, 145
HBO & Company, 134
Healthcare Computing Trends, 170
HealthQuest, 126
Hewlett-Packard, 170
Hospital Computer Systems, Inc., 126
Hospital information system, bedside, productivity gains and, 134
Hospital Information System Model Request for Proposal, 96
Human factors, 47

I

Image Management Archiving Communications system, 96
Informatics
complex research problems and, 7
nursing informatics program and, 184
Information Access Architecture, 134
Integrated software, 5
Interactive videodisc, in nursing curricula, 210

L

Linear programming, optimization of nurse scheduling and, 149

M

Medical informatics, complex research problems and, 7
Meditrol, Inc., 96
Micromedex, Inc., 96

N

National Practitioner Data Bank, 50
Nurses, attitudes toward computers, identifying and relating, 190
Nurse scheduling
clinical rotation schedule and, application of computer-based zero-one methodology to assignment of nurses to, 219
linear programming for optimization of, 149
Nursing administration
nurse expert systems using automated rule induction and, 52
preparing nurses to use microcomputers in management, 179
resource database for nursing service administration and, 69
Nursing Care of the Elderly patient with COPD, 80
Nursing care plans
automated care planning system for a health care institution and, 61
automated care planning system in nursing curriculum and, 134
Nursing education
automated care planning system in nursing curriculum and, 134
computer assisted instruction for patients on continuous ambulatory peritoneal dialysis and, 15
computer assisted instruction in statistics and, 108
computer literacy and, 100
effectiveness of computer-managed instruction versus traditional classroom lecture on achievement outcomes and, 159
interactive videodiscs in curricula and, 210
nursing informatics program and, 184
nursing service-education model for introducing baccalaureate nursing students to computer and research concepts and, 152
quality videotapes using computers and, 113
student nurse computer experience and preferences for learning and, 75
Nursing information system, bedside, productivity gains and, 134
Nursing practice
computer assisted instruction for patients on continuous ambulatory peritoneal dialysis and, 15
nurse expert systems using automated rule induction and, 52
Nursing service, resource database for nursing service administration and, 69

P

Patient education, in ambulatory care setting, computer assisted instruction in, 168
Peer Review Analysis, Inc., 96, 134
Perspectives in Rational Management: Acute Respiratory Failure, 80
Pierian Design Group, Inc., 134
POISINDEX, 96
Productivity, bedside nursing/hospital information system and, 134
Pulse Metric, 207

Q

Quality assurance software, 133
functionality and data security and, 27

R

Recruitment Solutions, Inc., 29
Recrui*Trak*, 29
Research
computerized learning style inventory and, 121
computer literacy and, 100
effectiveness of computer-managed instruction versus traditional classroom lecture on achievement outcomes and, 159
identifying and relating attitudes toward computers and, 190
informatics approach to complex problems and, 7
nursing service-education model for introducing baccalaureate nursing students to concepts of, 152
Researcher's Workbench and, 116

student nurse computer experience and preferences for learning and, 75
Researcher's Workbench, 116

S

Scheduling
clinical rotation schedule and, application of computer-based zero-one methodology to assignment of nurses to, 219
linear programming for optimization of, 149
Slide presentations, computer graphics for, 224
SMS, 134
Software, preparing nurses to use in management, 179
Software Exchange
Bereavement Issues, 126
Bereavement Support Strategies, 126
Chartsmart, 126
Clinipac, 126
Ethical Dilemmas and Legal Issues in Care of the Elderly, 126
Hospital Computer Systems, Inc., 126
TLC General Hospital, 126
Software Reviews
Clinical Nursing Concepts: Computer Simulations Version 2.0
Part III Inflammation and Wound Healing, 32
Part II Perioperative Care, 32
Part I Pharmacodynamics and the Administration of Medications, 32
Part IV Fluid and Electrolyte Balance, 32
Part V Acid-Base Balance, 32
Clinical Problems in Obstetrics: Hypertension and Preeclampsia, 80
Nursing Care of the Elderly patient with COPD, 80
Perspectives in Rational Management: Acute Respiratory Failure, 80
TLC General Hospital: A Simulated Patient Information System, 80
Statistics, computer assisted instruction in, 108
Stealth Security Pad, 29
SYD Healthcare Strategies, Inc., 29

T

TeleMagic, 29
THINKable, 96
TLC General Hospital: A Simulated Patient Information System, 80, 126
Trackmate, 96
TrainEase, 29

V

Videodisc, interactive, in nursing curricula, 210
Videotapes, producing using computers, 113

Z

ZEOS International, Ltd., 50
Zero-one methodology, application to assignment of nurses to clinical rotation schedule and, 219

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (Act of August 12, 1970: Section 3685. Title 39 United States Code) Date of Filing—October 1, 1991; Title of Publication—Computers in Nursing; Frequency of Issue—Bi-monthly; Annual Subscription Price—$39.00; Location of Known Office of Publication—100 Insurance Way, Suite 114, Hagerstown, MD 21740; Location of the Headquarters or General Business Offices of the Publisher—227 East Washington Square, Philadelphia, PA 19106; Publisher—J. B. Lippincott Company, 227 East Washington Square, Philadelphia PA 19106; Editor—Gary D. Hales, PhD, PO Box 36369, Birmingham, AL 35236-6369; Managing Editor—Lynda Krumpholz, 227 East Washington Square, Philadelphia PA 19106; Owner—J. B. Lippincott Company, 227 East Washington Square, Philadelphia PA 19106; Known Bondholders, Mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities—Wolters Kluwer U.S. Corporation, 1185 Avenue of the Americas, 37th Floor, New York, NY 10036. A. Total no. copies printed (*net press run*), average 5,092, actual 4,500; B. Paid circulation 1. Sales through dealers and carriers, street vendors and counter sales, average none, actual none; 2. Mail subscriptions, average 4,056, actual 3,895; C. Total paid circulation, average 4,056, actual 3,895; Free distribution by mail, carrier or other means. Samples complimentary, and other free copies, average 267, actual 214; E. Total distribution (*sum of C and D*), average 4,323, actual 4,109; F. Copies not distributed 1. Office use, leftover, unaccounted, spoiled after printing, average 769, actual 391; 2. Returns from news agents, none; G. Total (*sum of E & F—should equal net press runs shown in A*), average 5,092, actual 4,500. I certify that the statements made by me above are correct and complete. J. W. Lippincott, III, *Vice President.*

AUTHOR INDEX

A

Allen, S. K., 61
Arndt, M. J., 159

B

Billings, D. M., 121, 215
Blaesing, S. L., 179
Blegen, M., 69
Boblin, S., 75
Brady, M., 134
Bryson, D. M., 100
Budihardjo, A., 227
Burkes, M., 190

C

Caress, A.-L., 15
Carter, J. H., 179
Casula, M., 69
Chang, B. L., 174
Clark, C. E., 210
Clougherty, J., 69
Cortez, F., 27

D

Daly, J. M., 224
Delaney, C., 69
Dorrough, R., 5

E

Eggers, R., 184

F

Fochtman, M. M., 152
Fu, L.-S., 116

G

Gardner, D., 69
Gaston, S., 159
Graves, J. R., 116
Grzymala-Busse, J., 227

H

Harmeier, P. E., 149
Hawkins, M. E., 113
Hirsch, M., 174

J

Jacobsen, B. S., 108
Jacobsen, R. S., 108
Johnson, M., 69
Jones, B. T., 52

K

Kavanaugh, S. B., 152
Keen-Payne, R., 22
Kelly, K., 69

L

Luker, K. A., 15

M

Maas, M., 69
McCloskey, J. C., 69
McGonigle, D., 184
Miller, B. J., 159
Mills, A. C., 179
Monheim, B. J., 133

P

Phillips, A., 215

R

Reid, W. M., 219
Rossi, J. A., 7

S

Schmidt, S. M., 159
Seavor, C., 219
Staggers, N., 47
Strength, D. E., 22
Summers, S., 227

T

Taylor, R. G., 219
Tulman, L., 108

V

Van Dover, L., 75
Vargo, G., 168

W

Walsh, M, 27
Woolery, L., 227

Y

Yocom, C. J., 145

Z

Zimmer, E., 113